

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS ✓
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

FIG. 1

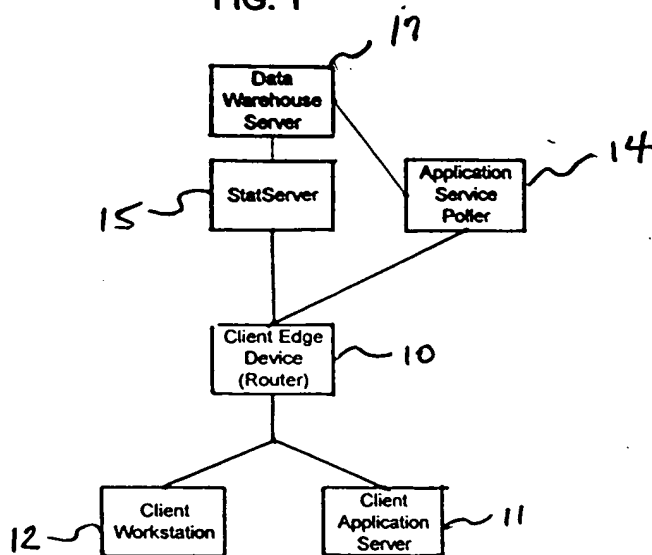
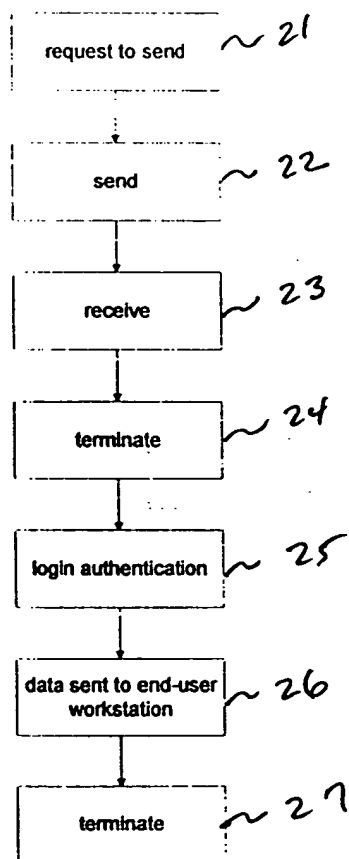


FIG. 2



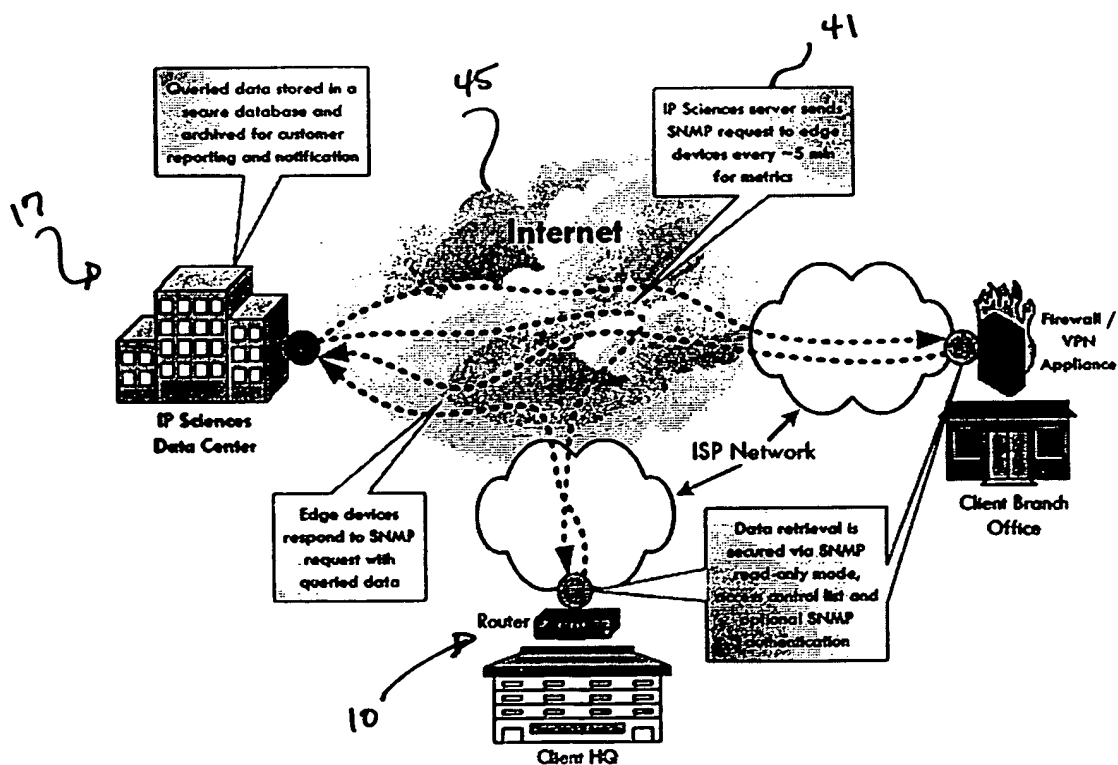
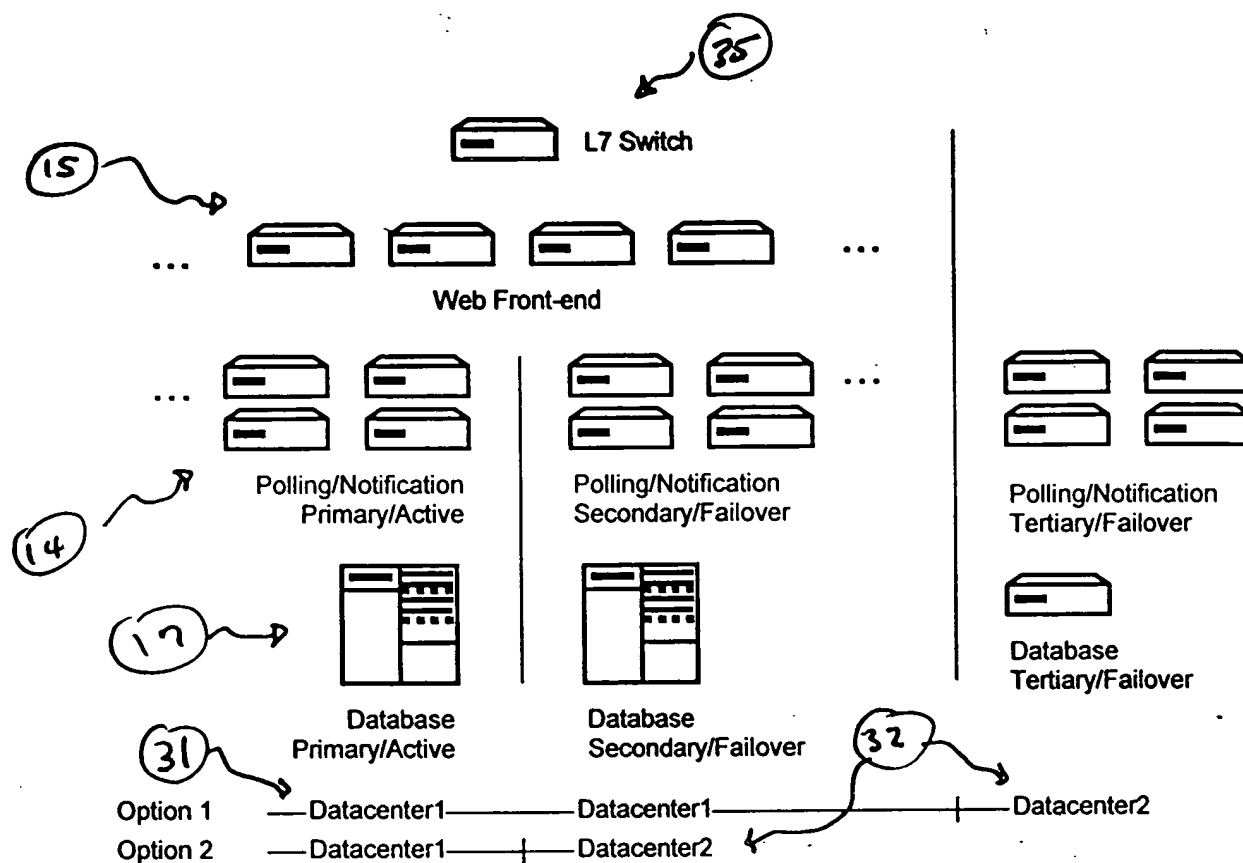
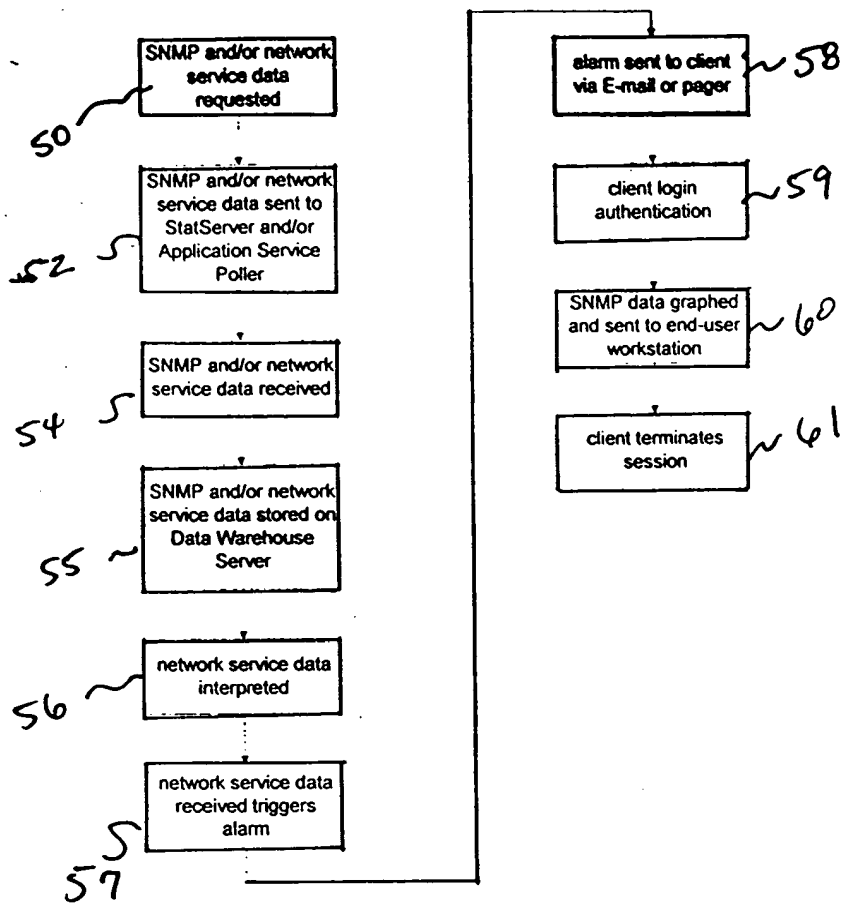


FIG. 5



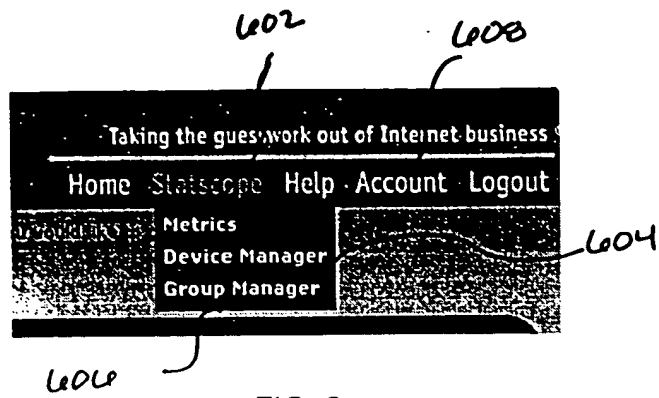


FIG. 6

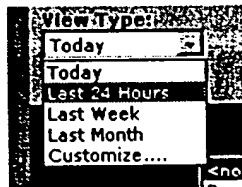


FIG. 7

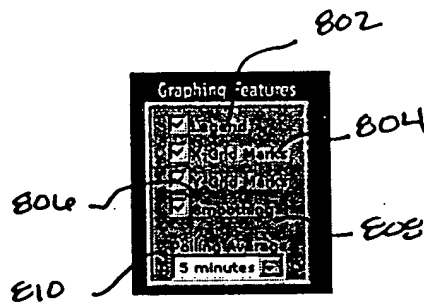


FIG. 8

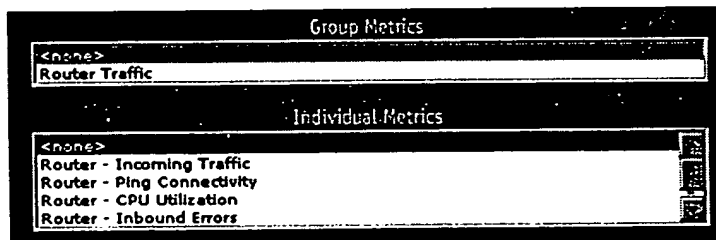


FIG. 9

## Edit Monitor

**Functionality**  
Polling: ☒  
Notifications: ☐

**Primary Contact**  
Primary Email:   
Primary Pager:

**Secondary Contact**  
Email:   
Pager:

**Tertiary Contact**  
Email:   
Pager:

**Escalation Delay**  
Primary Level:   
Secondary Level:   
Tertiary Level:

**Thresholds:**  
High:   
Low:

FIG. 10

	Alias	IP Address	ISP	Type	Location	Monitors		
						Alias	Type	Polling Alerts
DEVICES	Cisco Router	64.32.175.161	Verio	Router	Seattle, WA	<input checked="" type="checkbox"/> CPU Utilization	snmp	<input type="checkbox"/>
						<input checked="" type="checkbox"/> Inbound Errors	snmp	<input type="checkbox"/>
						<input checked="" type="checkbox"/> Incoming Traffic	snmp	<input type="checkbox"/>
						<input checked="" type="checkbox"/> Outbound Errors	snmp	<input type="checkbox"/>
						<input checked="" type="checkbox"/> Outgoing Traffic	snmp	<input type="checkbox"/>
						<input checked="" type="checkbox"/> Ping Connectivity	connectivity	<input type="checkbox"/>
						<input type="button" value="Add Device"/>	<input type="button" value="Edit Device"/>	

1102

FIG. 11

Add Group

Edit Groups

Group List

Router Errors

Cisco Router - Incoming Traffic

Cisco Router - CPU Utilization

Cisco Router - Inbound Errors

Cisco Router - Outbound Errors

Preview Group

Group Alias: Router Errors

Preview Group

Delete Group

Group Alias: Router Errors

Delete Group

FIG. 12

Technical Contact	Billing Contact
Name: Brian Mansell	Name: Brian Mansell
Email Address: brian.mansell@psciences.com	Email Address: brian.mansell@psciences.com
Phone Number: 206-679-1949	Phone Number: 206-679-1949
Mobile Number: 206-679-1949	Mobile Number: 206-679-1949
	Address: 2566 14th Ave W #5
	Address (Optional):
	City, State: Seattle, WA
	Zip Code: 98119

Name: Brian Mansell

Email Address: brian.mansell@psciences.com

Phone Number: 206-679-1949

Mobile Number: 206-679-1949

Address: 2566 14th Ave W #5

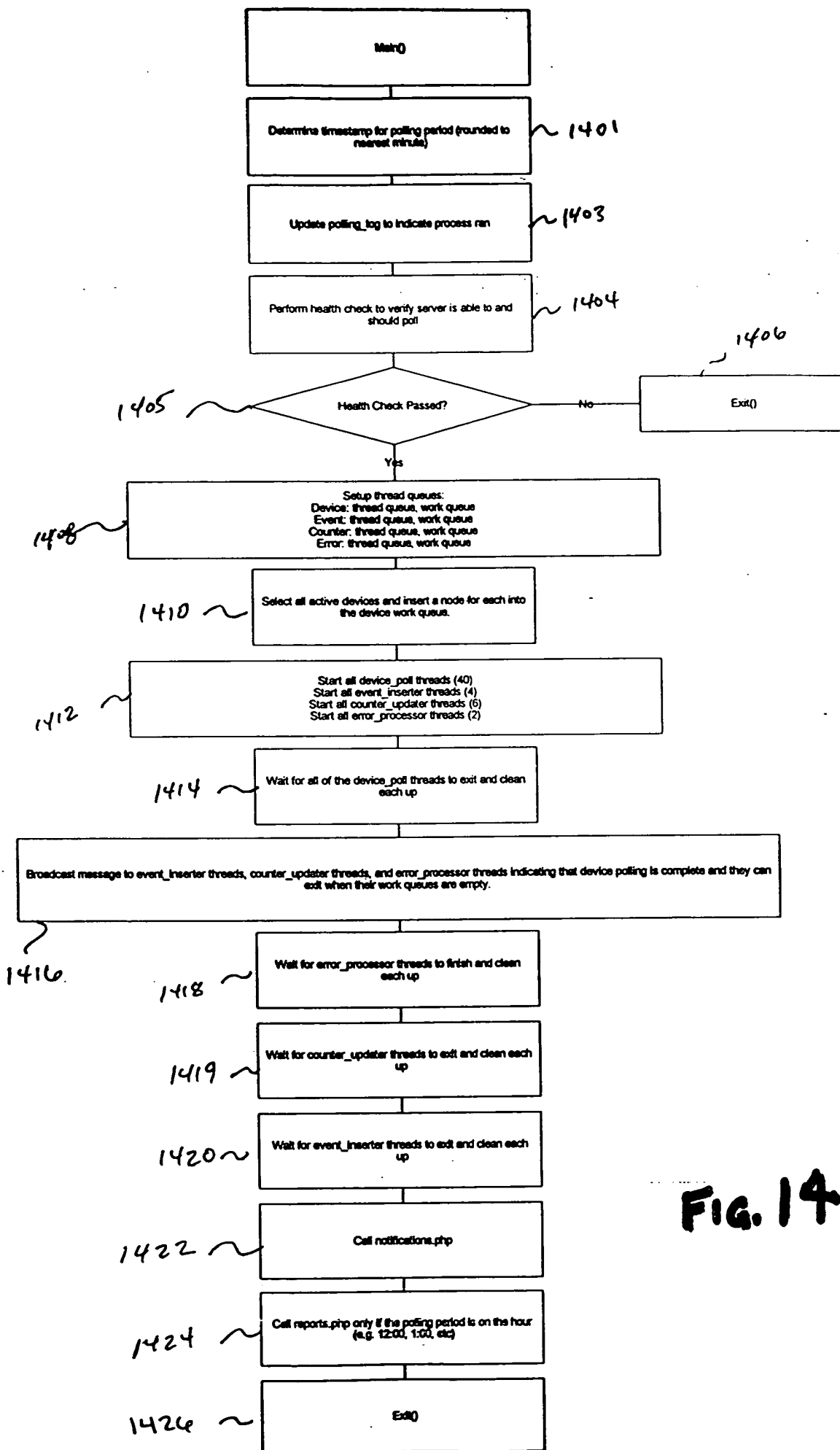
Address (Optional):

City, State: Seattle WA

Zip Code: 98119

Update Billing Contact

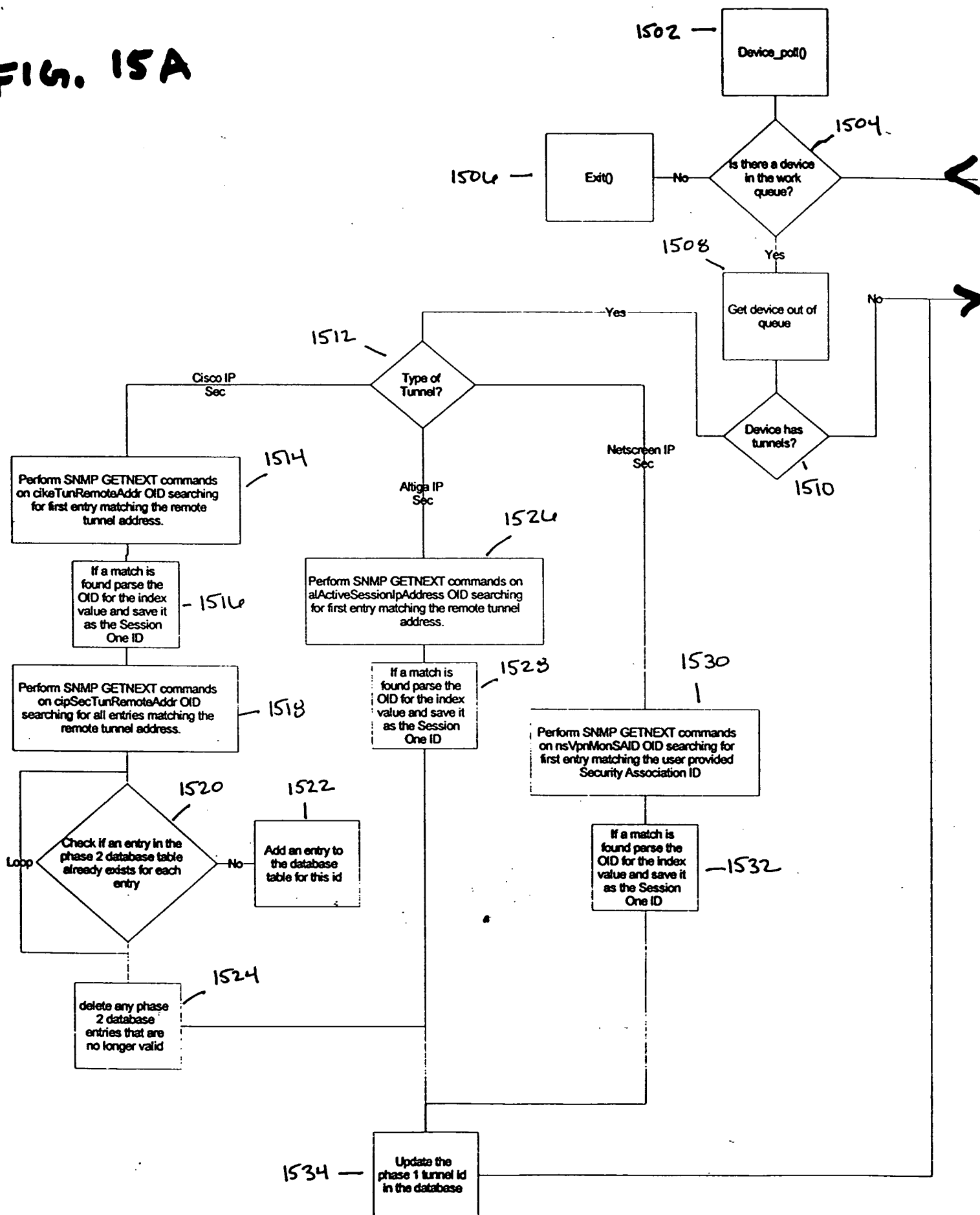
FIG. 13

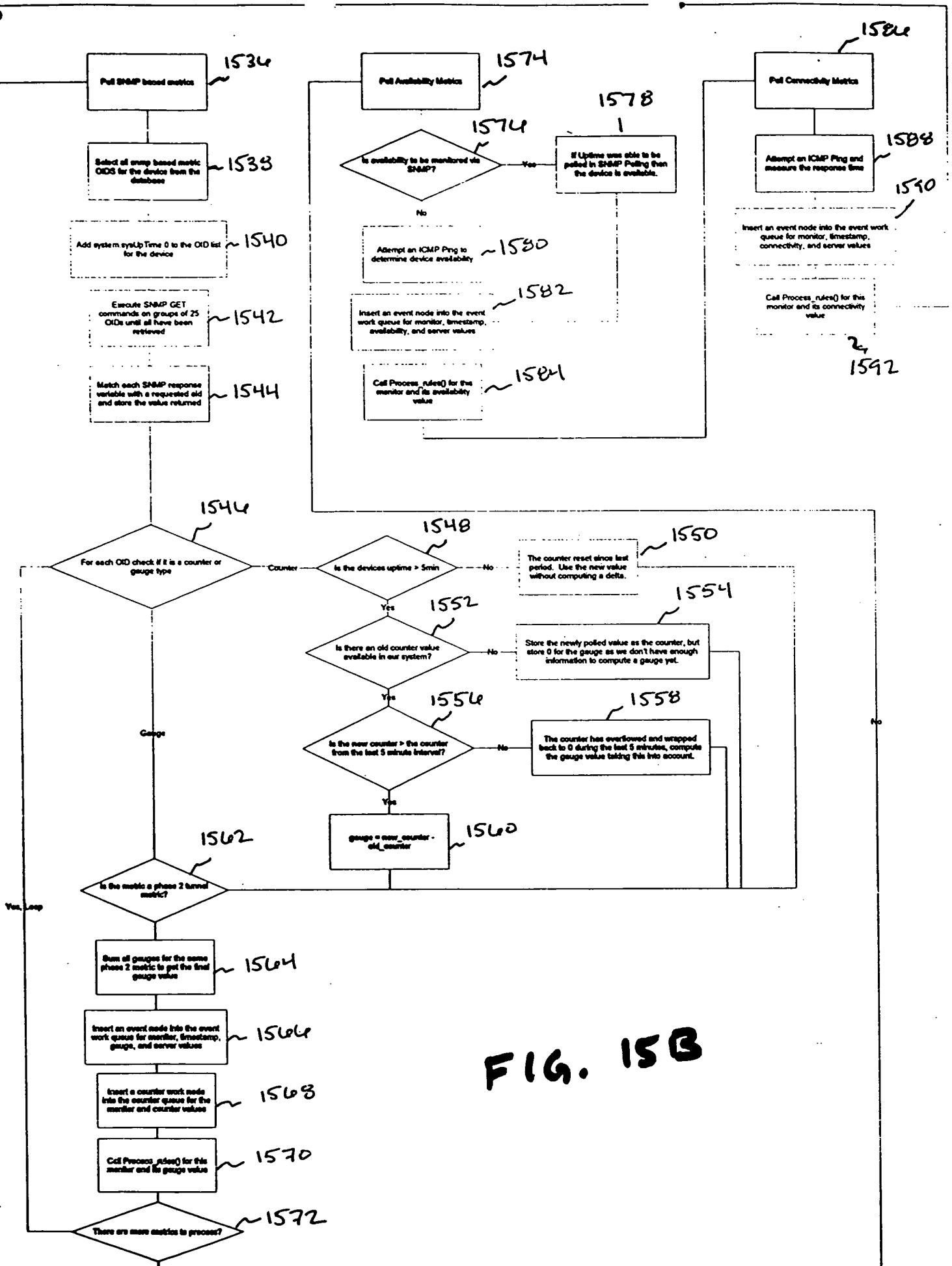


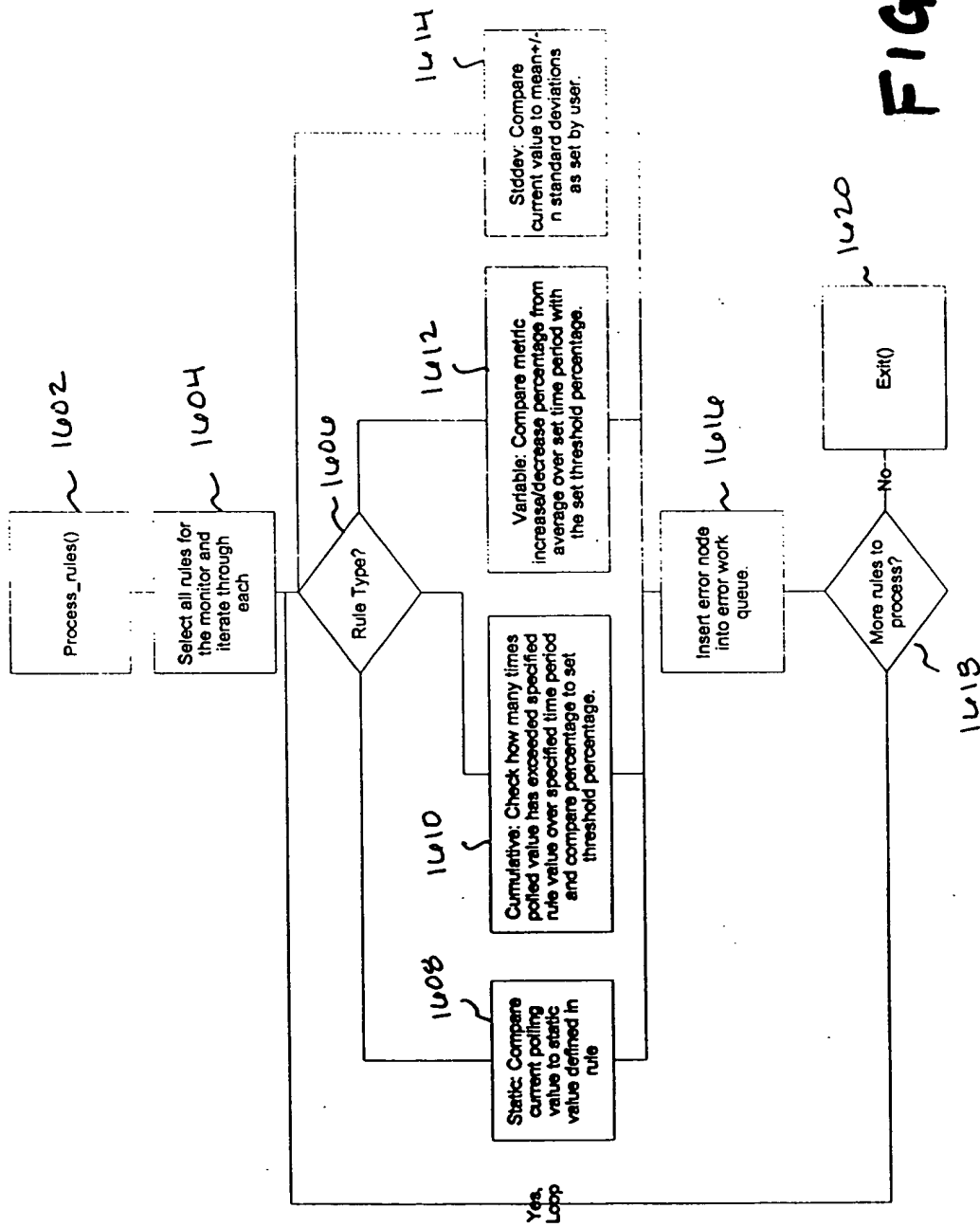
**FIG. 14**

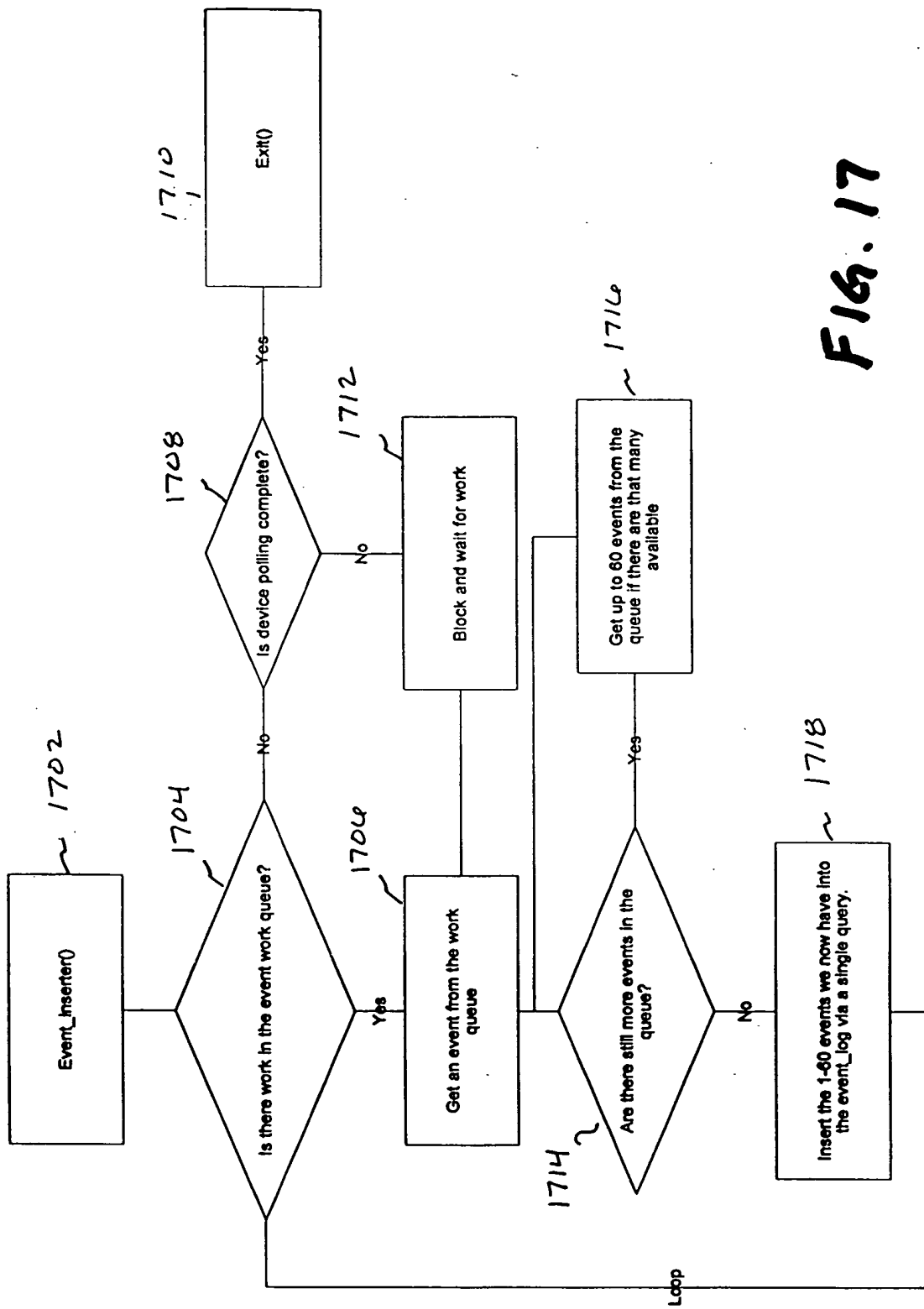


FIG. 15A

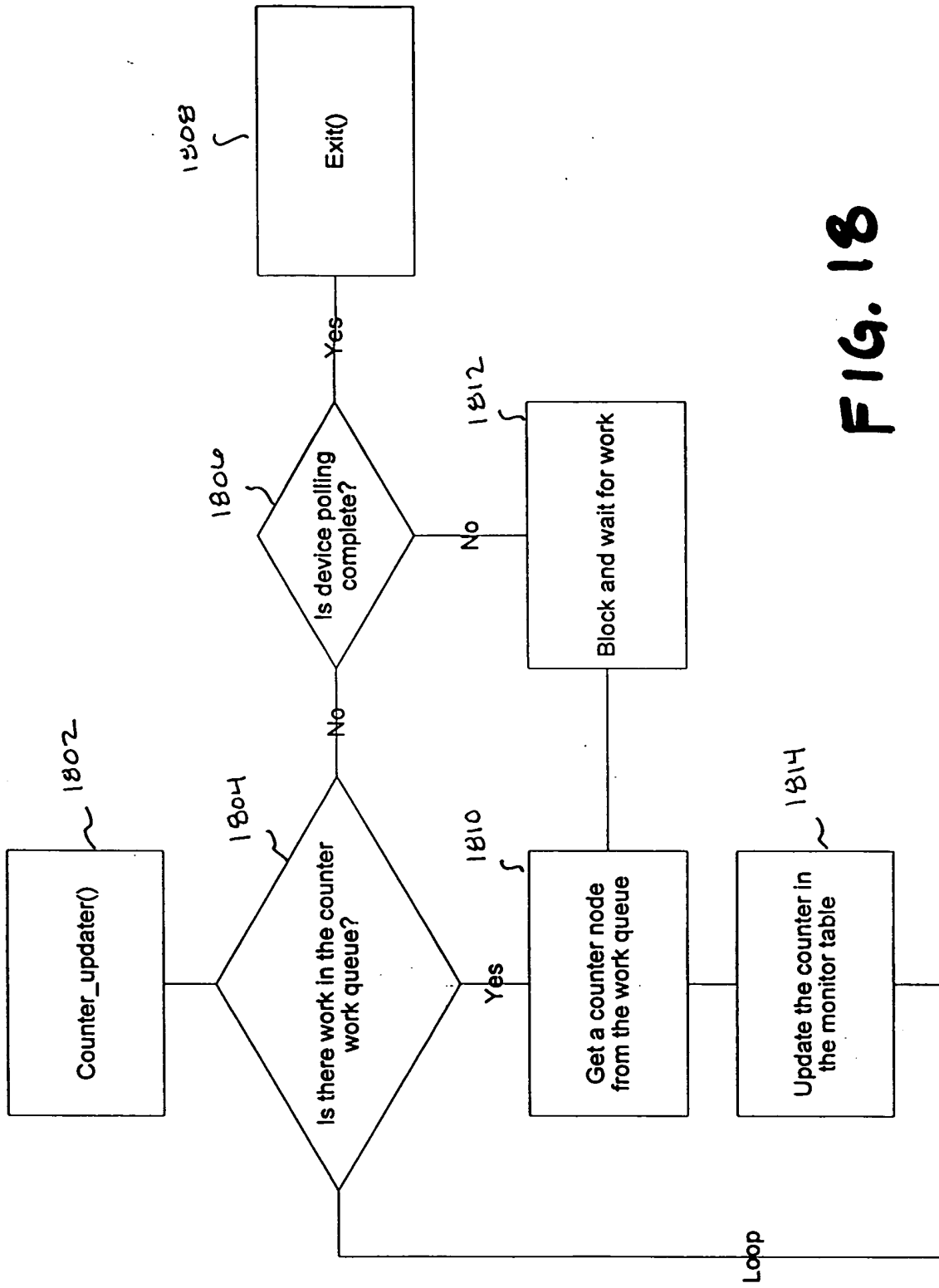






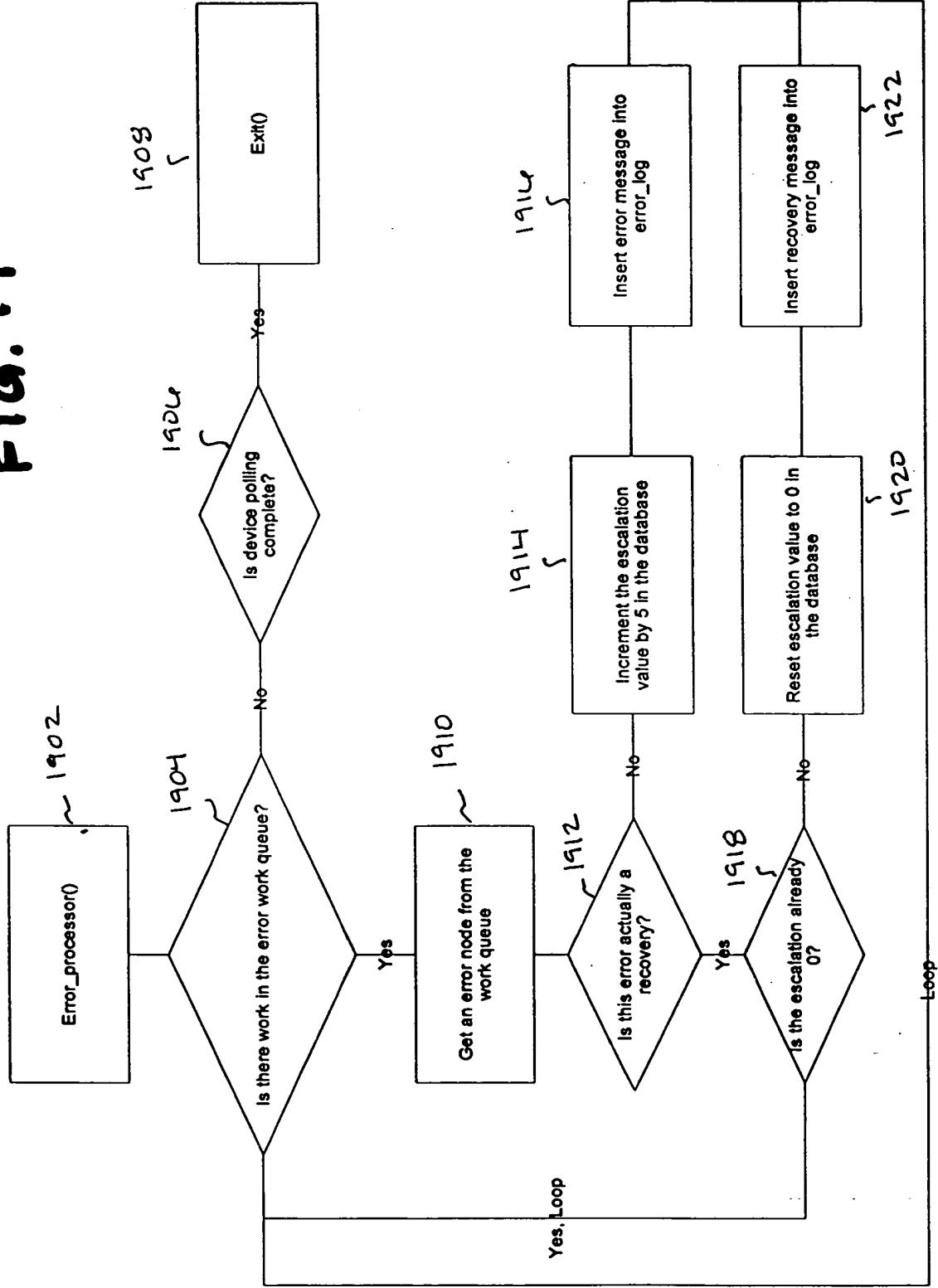


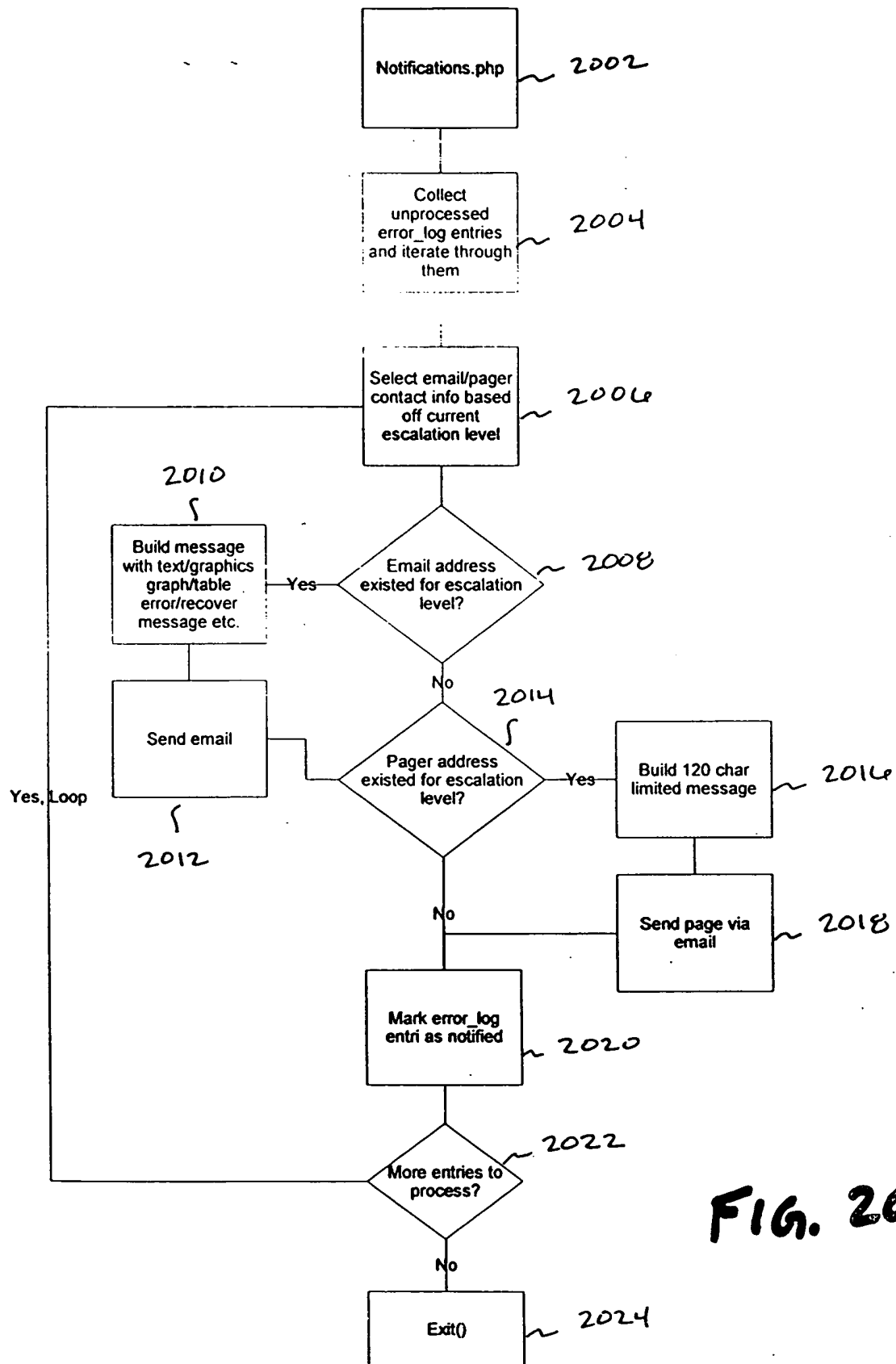
**FIG. 17**



**FIG. 18**

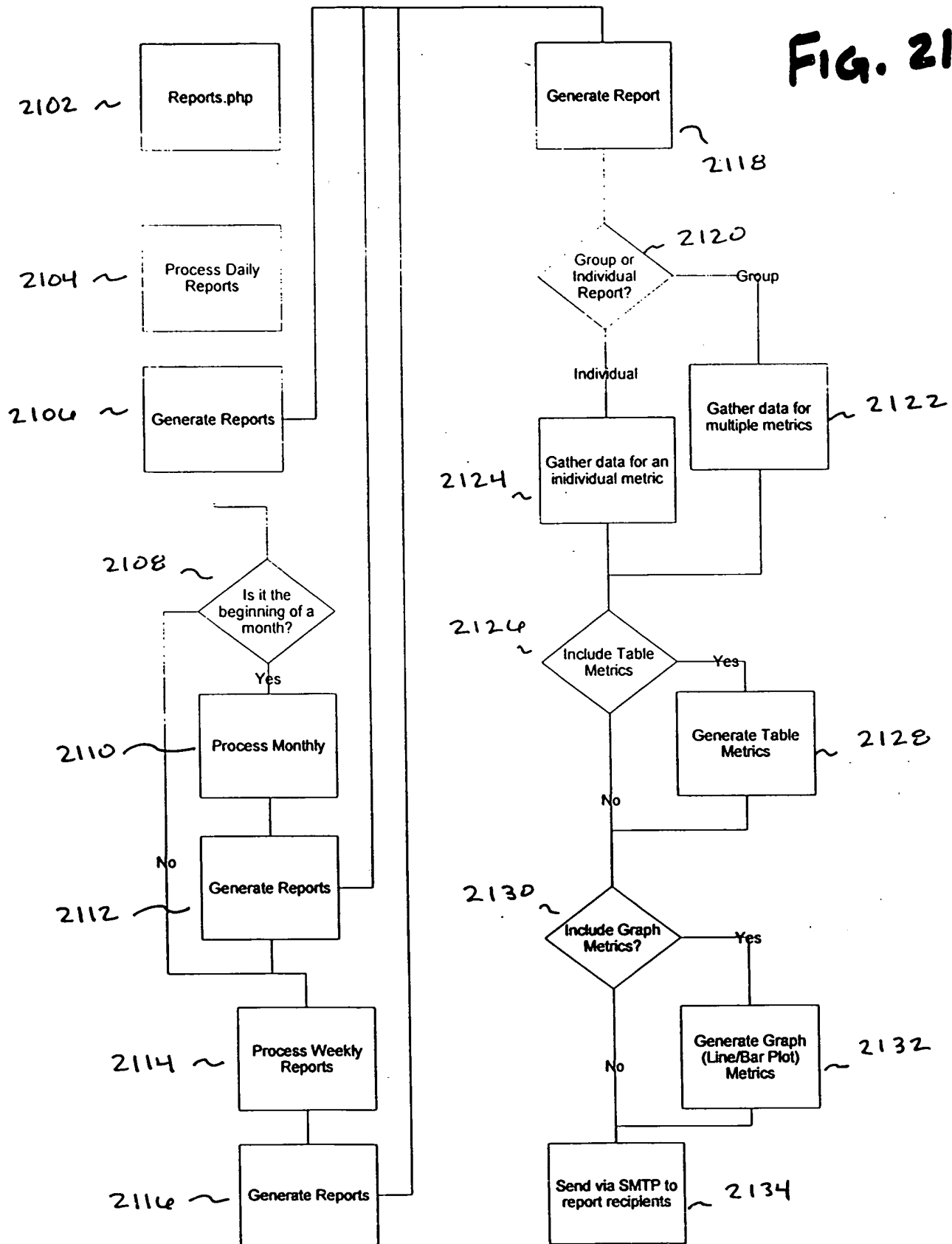
FIG. 19





**FIG. 20**

FIG. 21





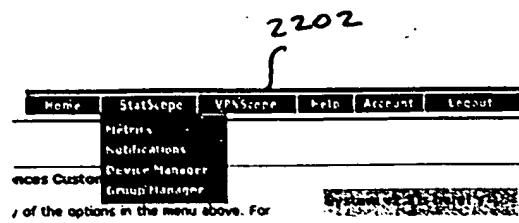


FIG. 22

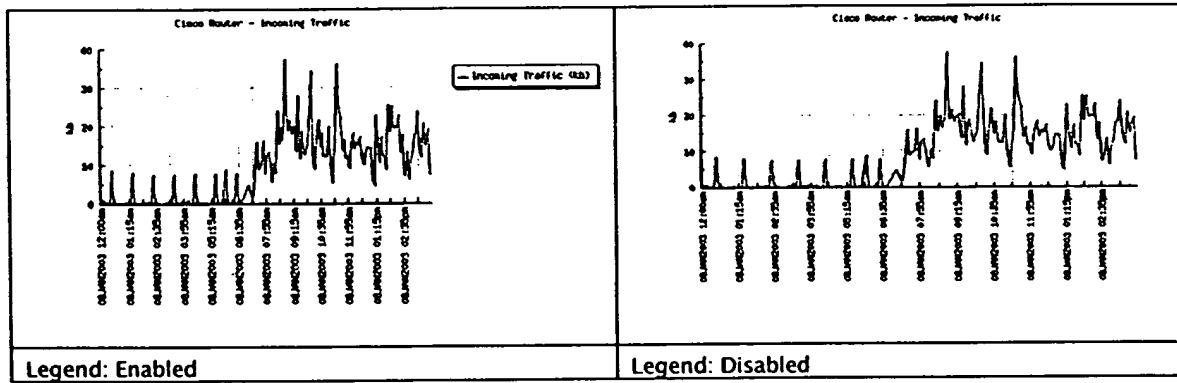


FIG. 23

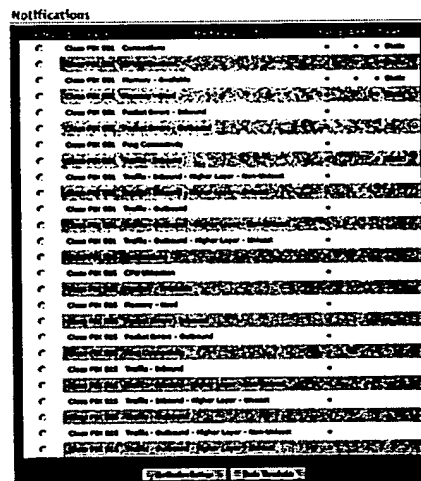


FIG. 24

**Edit Notification Settings**

☐ Email  
☐ Pager  
☐ SMS

**Primary Contact**  
 Email:   
 Pager:

**Secondary Contact**  
 Email:   
 Pager:

**Tertiary Contact**  
 Email:   
 Pager:

**Escalation Delay**  
 Primary Level:   
 Secondary Level:   
 Tertiary Level:

FIG. 25

**Static Thresholds**

**Cisco PIX 501 - CPU Utilization**

High (percent):   
 Low (percent):

FIG. 26

**Device Manager**

Selected	Device	IP Address	OS	Type	Location
<input checked="" type="checkbox"/>	Cisco Router	64.36.175.161	Verio	Router	Seattle, WA

FIG. 27

**Edit Device Attributes**

Device Name:   
 IP Address:   
 OS:   
 Type:   
 Location:

FIG. 28

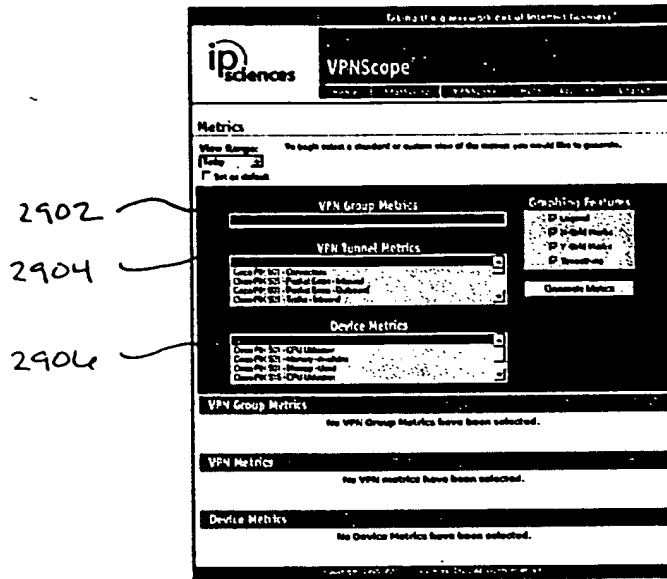


FIG. 29

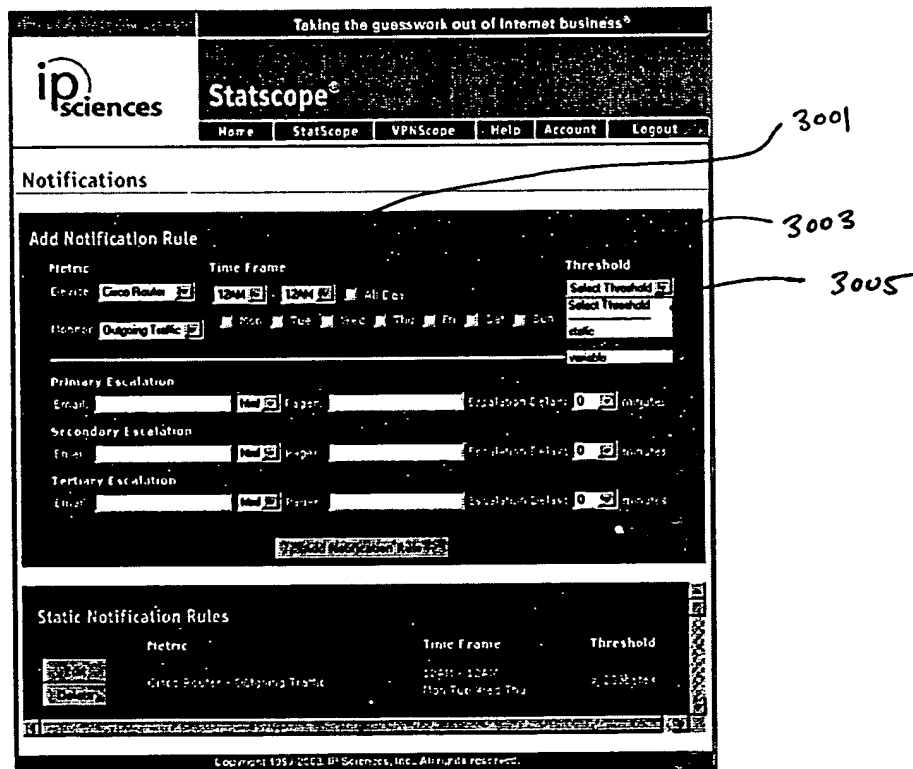


FIG. 30A

#### Alert Rules

Day(s)	Time	Threshold Type	Threshold	Metric(s)
<input checked="" type="radio"/> All Week	All Day	Cumulative	exceeds 45.00 percent for 40% of polling periods over 15 hours	Orange Router - CPU Utilization
<input type="radio"/> All Week	All Day	Static	exceeds 45.00 percent	Cisco Router - CPU Utilization
<input type="radio"/> All Week	All Day	Variable	increases by a unit value of 13.67 kbps over 14 hours	dev01 - eth3 - Inbound Traffic dev01 - interface - Inbound Traffic
<input type="radio"/> All Week	All Day	Variable	increases by a percentage value of 45% over 11 hours	Cisco Router - External - Inbound Traffic dev01 - interface - Inbound Traffic

FIG. 30B

Threshold: Static

If metric exceeds 1.75 bps during a polling period.

FIG. 31A

Threshold: Standard Deviation

If current metric's value exceeds mean +/- 1.75 standard deviations as evaluated over the past 14 days

FIG. 31B

Threshold: Variable

If current metric increases by a percentage value of 45 % from the average value calculated over the past --- hours

FIG. 32A

Threshold: Variable

If current metric increases by a unit value of 45 percent from the average value calculated over the past --- hours

FIG. 32B

Threshold: Cumulative

If tunnel is unavailable for 50% of polling periods over 6 days

FIG. 33

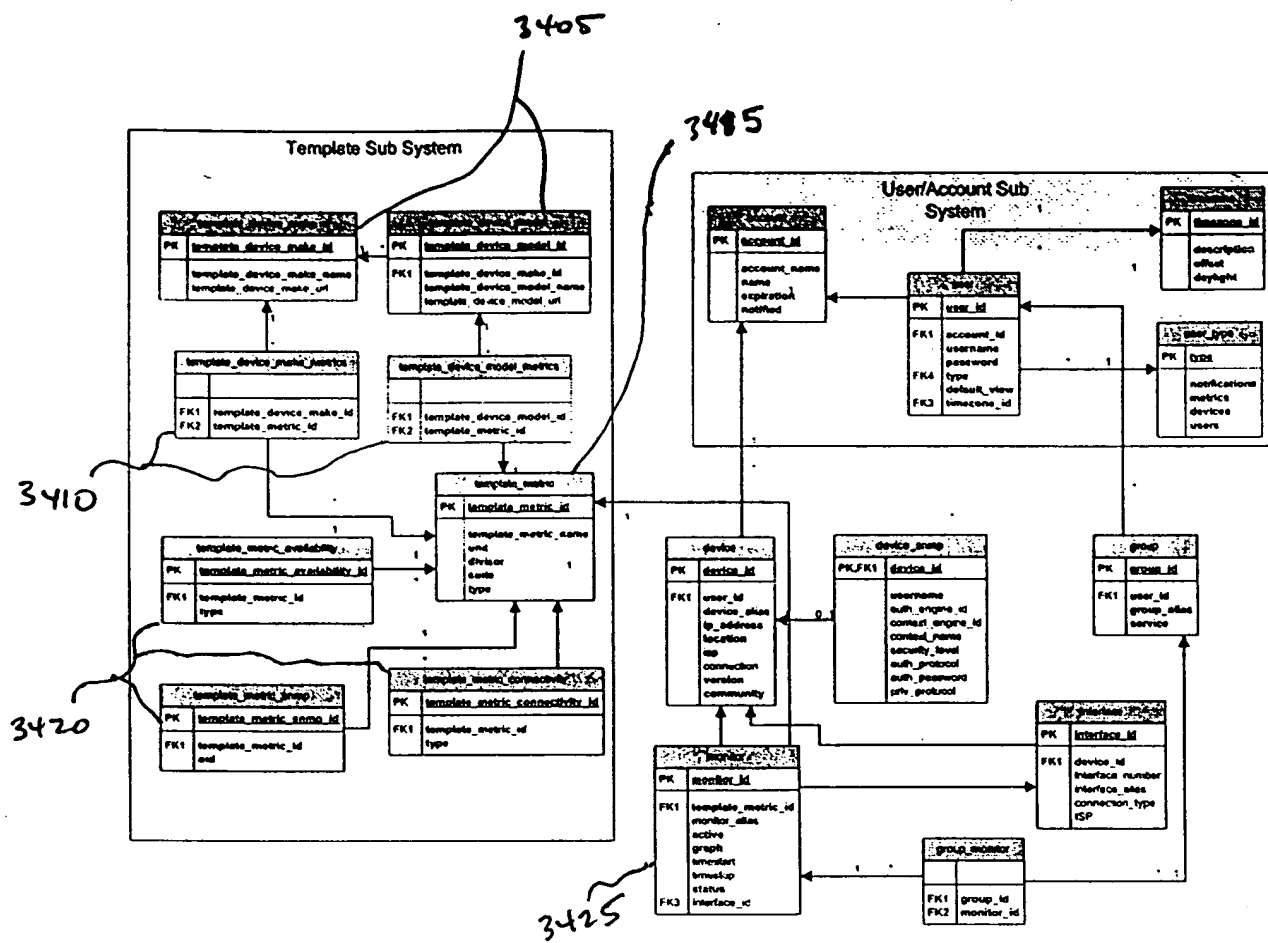


FIG. 34



FIG. 35

3600

**Select Devices**

- ☒ Device
- ☒ Location
  - ☒ Continent
    - ☒ North America
  - ☒ Country
    - ☒ United States
  - ☒ State
    - ☒ California
    - ☒ Washington
  - ☒ City
    - ☒ Los Angeles
    - ☒ Seattle
    - ☒ Spokane
  - ☒ Building
    - ☒ [Unknown]
    - ☒ C&H Office
    - ☒ Xion Office
  - ☒ Floor/Room
    - ☒ [Unknown]
    - ☒ Basement
- ☒ ISP
  - ☒ Alias
    - ☒ [Unknown]
    - ☒ AT&T
  - ☒ Circuit Type
    - ☒ DSL
    - ☒ GIG-E

Select Devices

FIG. 36

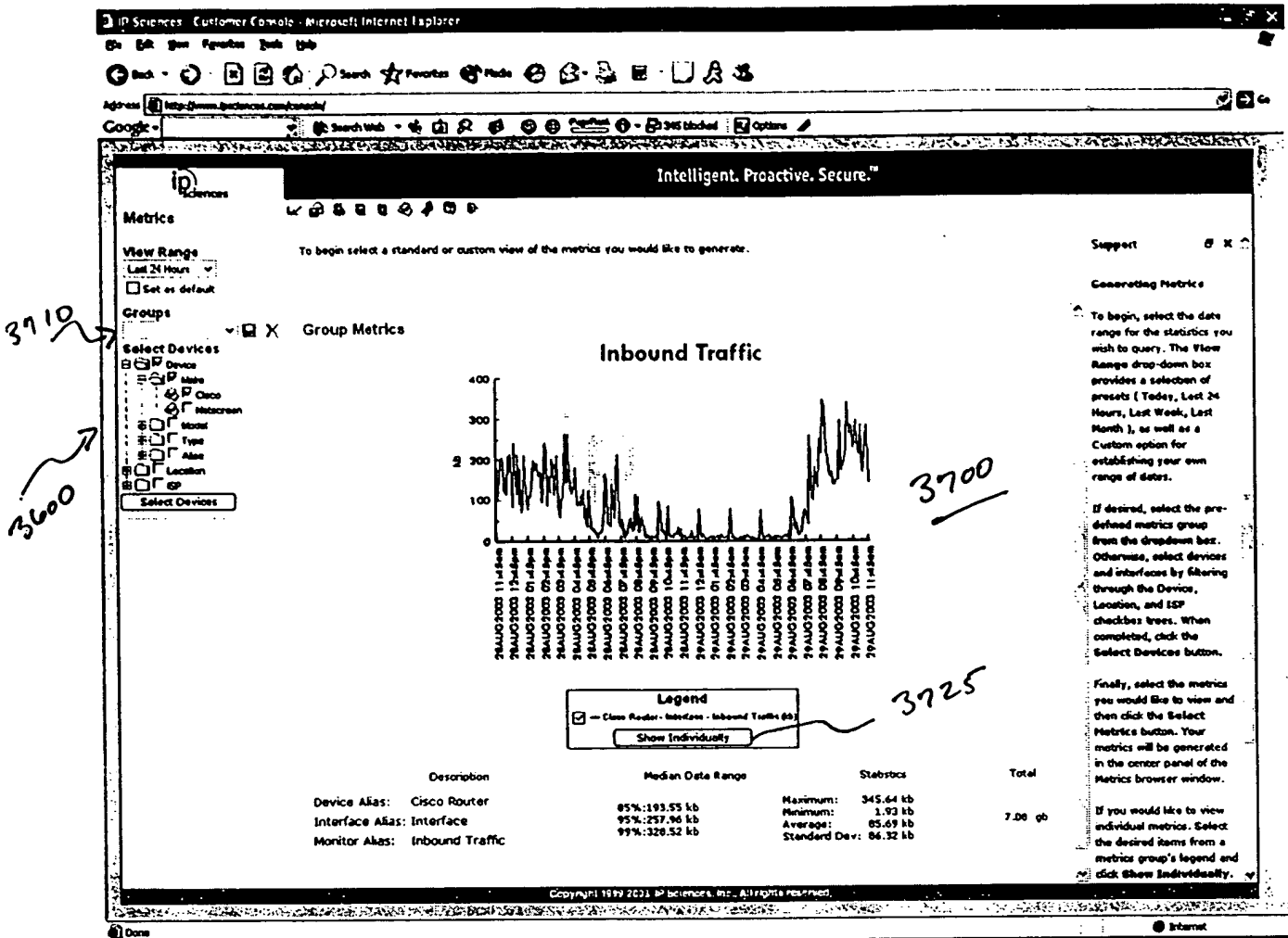


FIG. 37

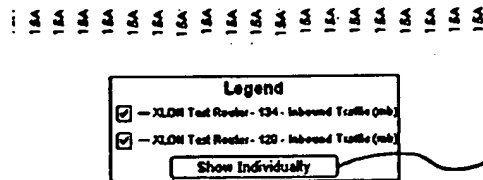


FIG. 38

Today ☒

☐ Set as default

**Groups**

Create New... ☒ X

Alias: test group

**Select Devices**

☒ Device

☒ Make

FIG. 39

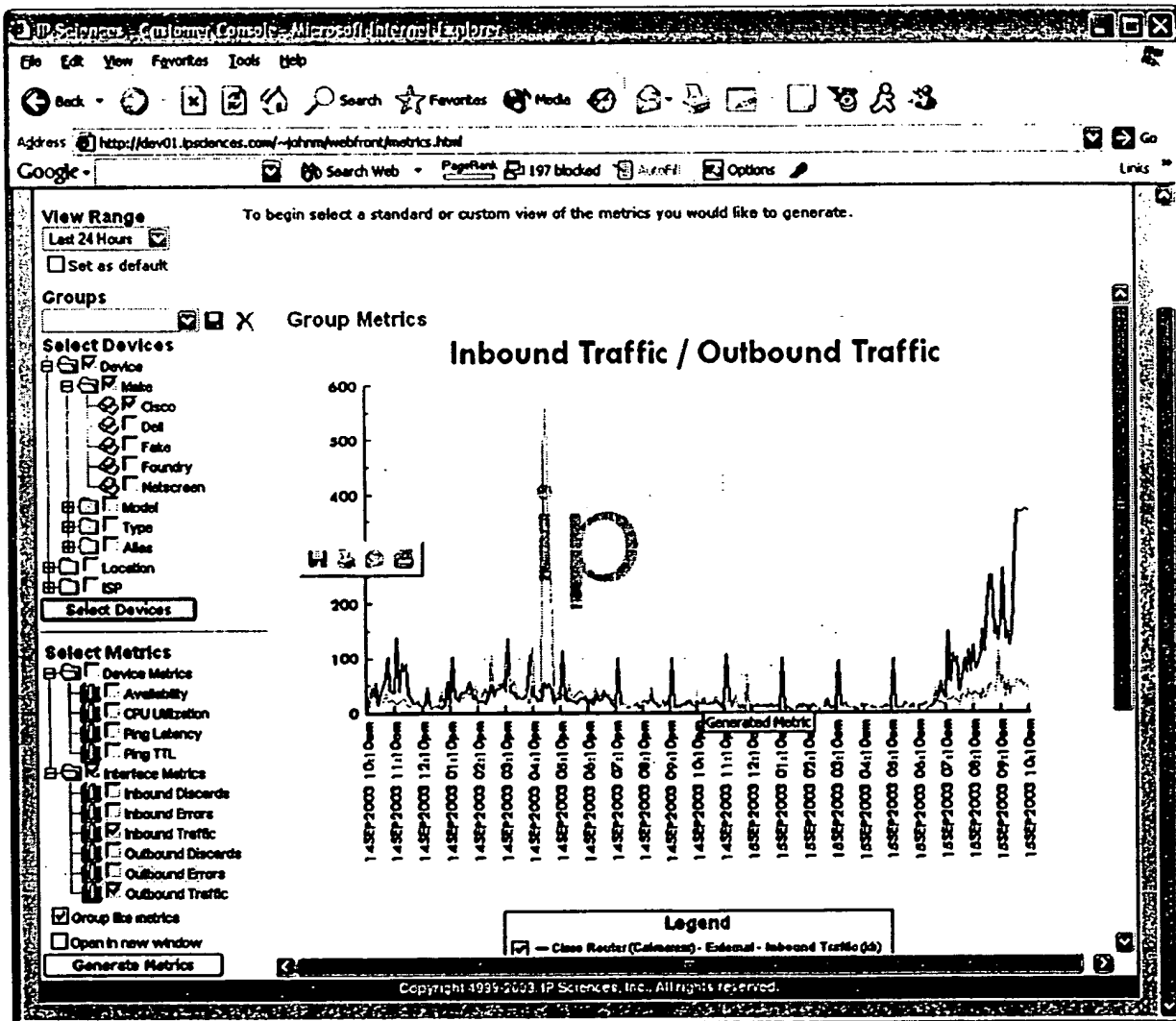


FIG. 40



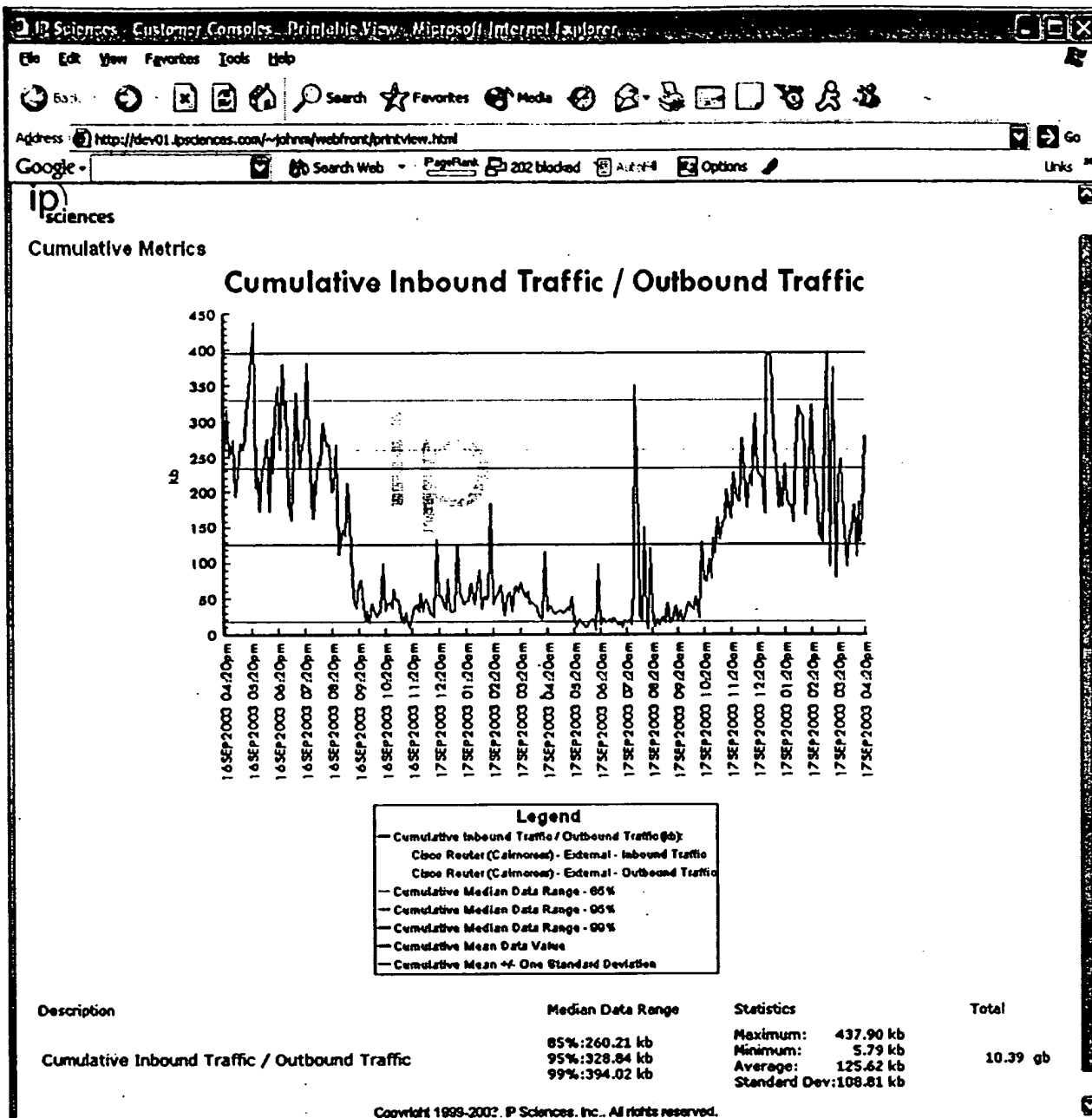


FIG. 41

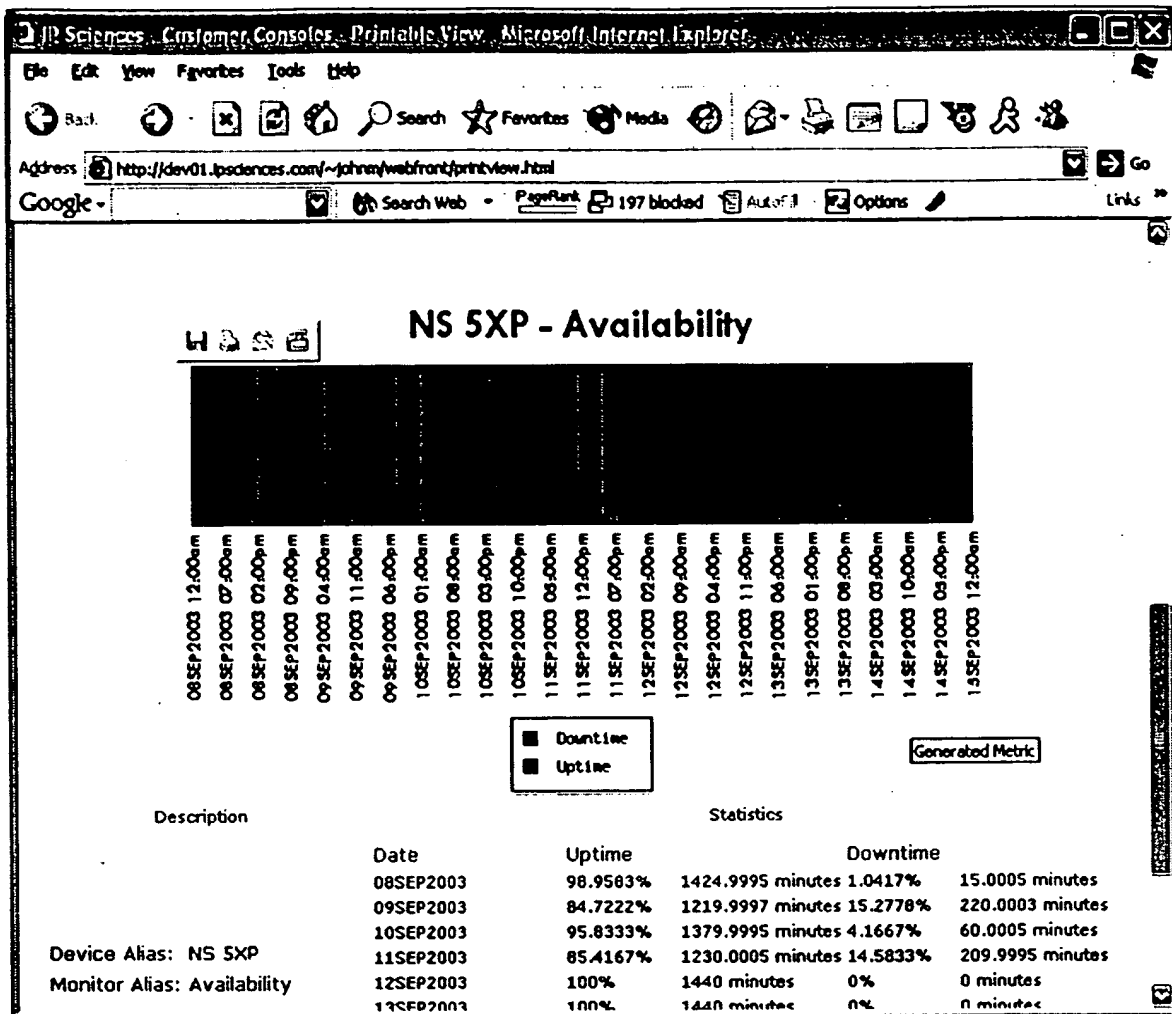


FIG. 42

ip Sciences Customer Console - Microsoft Internet Explorer


File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail News Groups Feeds

Address http://dev01.ipsciences.com/~johna/webfront/notifications.html

Google Search Web PageRank 197 blocked AutoFill Options Links

---

**ip Sciences**


**Intelligent. Proactive. Secure.™**

---

**Notifications**



**Add Alert Rule**

Metric Type: ☐ Device ☒ Interface

Metric Alias:  


Interfaces:

☒ XLON Test Router - 134  
☒ XLON Test Router - 129  
☐ Cisco Router (Cairncross) - External  
☒ dev01 - eth2  
☒ dev01 - eth3

Time Frame: ☒ 12AM - ☒ 12AM ☐ All Day

Days: ☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun ☐ All Week

Threshold:  

If metric  ☒ 23  ☒ during polling period.

Email:

Primary Escalation: Mobile Email:

Escalation Delay:  ☒ minutes

FIG. 43

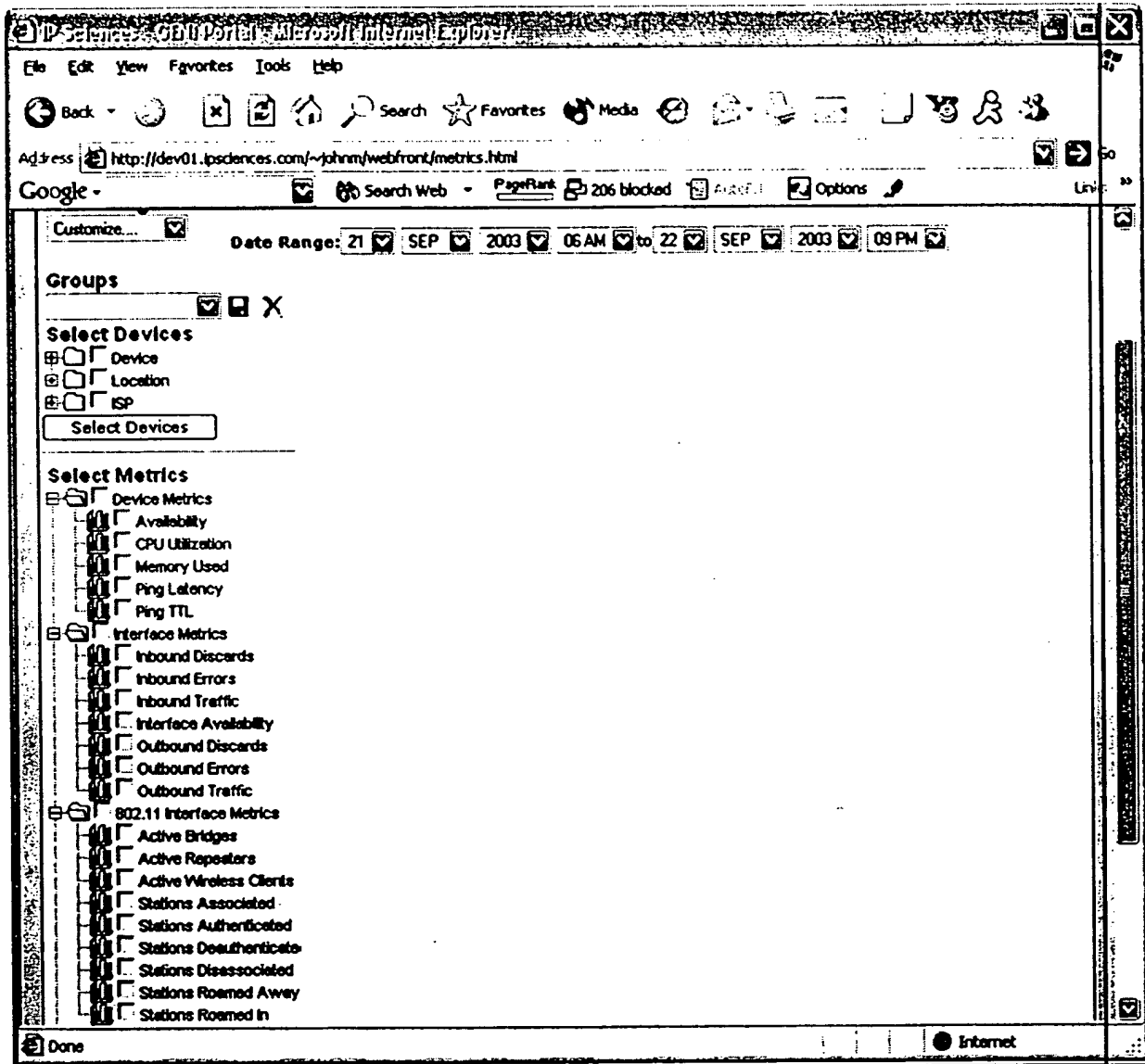


FIG. 44